

LISTING OF THE CLAIMS

This listing of the claims replaces all prior claim versions and listings in the application:

1. (Currently Amended) A method of converting a software program for a single processor to a software program for a multiprocessor, the method comprising the steps of:
allocating a source file compiled from the software program to each processor by an object file unit; [[and]]
preparing an ~~execute~~ executable form program for operating software running on a single memory space on the multiprocessor for each processor;
exception processing for a refer requester processor, by detecting an occurrence of a refer request, to variables arranged on a memory space managed by another processor during running of the executable form program; and
sending the refer request to a requested processor;
returning refer results, by the requested processor referring to the variables, to the refer requester processor; and
emulation-executing by the refer requester processor a variable refer command from the returned refer results to return to the next command from the exception processing.

2. (Currently Amended) The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 1, further comprising the step of: disposing the ~~execute~~ executable form program mounted on the memory space to be managed by each processor in such a manner that addresses are prevented from being duplicated among the processors.

3. (Canceled)

4. (Currently Amended) The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 1 or 2, ~~further comprising the steps of: starting exception processing possessed by the processor which is a write requester to detect that there occurs a request for write into variables arranged on a~~

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~~memory space managed by another processor during running of the execute form program; and sending the write request to an appropriate processor, wherein the processor which has received the write request writes the variables, and the processor which is the write requester returns to the next command from the exception processing~~

wherein the refer request is a write request for writing into the variables.

5. (Currently Amended) The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 1 ~~or 2~~ 4, further comprising the steps of: ~~starting exception processing possessed by the processor which is a write requester to detect that there occurs a request for write into variables arranged on a memory space managed by another processor during running of the execute form program; and sending the write request to an appropriate processor, wherein the processor which has received the write request writes the variables to return write results to the write requester, and the processor which is the write requester returns to the next command from the exception processing~~

wherein the requested processor returns as write results the returned refer results to the refer request processor.

6. (Currently Amended) The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 1 or 2, further comprising the steps of: ~~starting exception processing possessed by the processor which is a call requester to detect that there occurs a call request for functions arranged on a memory space managed by another processor during running of the execute form program; and sending the call request to an appropriate processor, wherein the processor which has received the call request calls the functions to return call results to the call requester, and the processor which is the call requester emulation-executes a function call command from the returned results to return to the next command from the exception processing~~

wherein the refer request is a call request for functions arranged on the memory space managed by the other processor, and the refer requester processor emulation-executes a function call command from the returned refer results.

7. **(Currently Amended)** The method of converting the software program for the single processor to the software program for the multiprocessor according to claim [[3]] 1, further comprising: ~~communication~~ communicating between the processors in which communication including processing request transmission and processing result return via the exception processing ~~is possible~~ occurs.

8. **(Previously Presented)** A cellular phone in which the software program for the multiprocessor converted by the method according to claim 1 is installed.

9. **(Currently Amended)** The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 4[[.]], further comprising: ~~communication~~ communicating between the processors in which communication including processing request transmission and processing result return via the exception processing ~~is possible~~ occurs.

10. **(Currently Amended)** The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 5, further comprising: ~~communication~~ communicating between the processors in which communication including processing request transmission and processing result return via the exception processing ~~is possible~~ occurs.

11. **(Previously Presented)** A cellular phone in which the software program for the multiprocessor converted by the method according to claim 2 is installed.

12. **(Canceled)**

13. **(Previously Presented)** A cellular phone in which the software program for the multiprocessor converted by the method according to claim 4 is installed.

14. (Previously Presented) A cellular phone in which the software program for the multiprocessor converted by the method according to claim 5 is installed.

15. (Previously Presented) A cellular phone in which the software program for the multiprocessor converted by the method according to claim 6 is installed.